

STATEMENT OF WORK
FOR
EEPZ 03-2004E
MAINTAIN INTERIOR AND EXTERIOR PAINT FOR WATER TOWER, FACILITY 355
25 March 2009

SUBMITTALS REQUIRED:

See Form 66 (attached)

SCOPE:

Provide all plant, labor, material, equipment, and transportation required to sandblast/pressure wash and paint the exterior of one tower and support structure. Prepare and apply a new corrosion resistant coating to the tank interior. Provide and install new cathodic protection system and repairs as described below. Apply the new AF symbols (2). All work must be in accordance with the Statement of Work, the 14 CES Environmental Specifications, all applicable UFCs and all local, state, and federal codes and regulations.

DESIGN:

Contractor is responsible for all design effort in order to provide an acceptable final product that meets intent of this Statement of Work and design drawings. Contractor shall verify all dimensions, calculations and code requirements for all elements of work. At time of proposal submission, contractor shall provide evidence of adequate design, including but not limited to electrical, mechanical, and civil calculations. Contractor is responsible for ensuring constructibility and code compliance.

Record drawings may be provided to the contractor as a courtesy at the discretion of the Government, but their accuracy is not guaranteed. The contractor shall do his own field investigations of the utilities and other items in the area and base his design accordingly.

SCHEDULING:

Contractor shall establish an acceptable work plan with the Government prior to start of work. Coordinate all utility outages with the Government to minimize negative impact to the base mission.

CONSTRUCTION PLAN

- Examination:

- Verify the surface is free of dust or other contaminants prior to application of new coating. All currently installed equipment including but not limited to strobe light electronics, telephone outdoor terminal, and outdoor phone should be appropriately protected for the duration of the project.

Preparation:

- All communication equipment, lighting, navigational aids, and other similar appurtenances shall remain operational for the duration of the project.
- Remove all necessary equipment from water tower.

- Reinstall removed equipment in working order (some equipment will be required to be placed on the shroud). Outages should be minimal and must be coordinated with the government in advance.
- Prepare existing surfaces prior to application of new coating. This includes, but is not limited to, shrouding the entire facility in order to contain work and debris. Sandblast and pressure wash exterior. Clean and dry interior, repair prior to application of corrosion resistant sealant. Repair welds and complete a SSPC-SP #10 blast. Use the required means to insure the bond of the new coating by brushing, vacuuming, power blowing, sandblast and washing, or power washing. Tank is positive for lead-based paint. Provide all required preparation and containment systems to comply with CAFB, local, state, and federal regulations, standards, and codes.

- Coating Installation

- Exterior and Interior paints/coatings will be applied in accordance with both the statement of work and manufacturer's specifications by certified, factory-trained applicators under supervision of manufacturer's representative. All work will comply with all UFCs, local, state, and federal regulations.
 - Exterior:
 - A prime coat, minimum of 2.0 mil thick followed by two coats of alkyd enamel, each a minimum of 1.5 mil thick shall be applied. The prime coat shall be rust inhibitive red iron oxide, zinc oxide, oil and alkyd primer without lead or chromate pigments, in accordance with SSPC Paint 25. The finish coats shall be gloss alkyd enamel in accordance with SSPC Paint 21.
 - Interior:
 - Four coats, each at least 1.5 mil thick, of VR-3 vinyl resin paint in accordance with SSPC PS 4.04 shall be applied. The second, third, and fourth coats shall be of contrasting colors.
- Apply the new AF symbols in accordance with the necessary UFCs, codes, and regulation (most notably UFC 3-120-01 Chapter 4).

- Cleaning:

- In areas where finished surfaces are soiled by work of this section, consult manufacturer of surfaces for cleaning advice and conform to their documented instructions.
- Replace cathodic protection system, including, but not limited to rectifier replacement, anode replacement, suspension system replacement, operational check-outs and test reading to verify proper protection.
- Reinstall equipment removed at the beginning of work to the finished water tower.
- Any area disturbed by the work must be repaired to prior condition.

- Miscellaneous Work

- Provide new stainless steel roof vent system.
- Install balcony holes to prevent further water collection.
- Install riser grate for fall protection.
- Install a cable safety system on the ladder for fall protection.
- Install climb preventive shield on ladder. The shield must be installed without altering the ladder and must be able to cover a safety bar, cable or rail, if installed.
- Provide new overflow pipe system with flap valve.
- Weld all pits greater than 50% of original steel thickness.
- Tank shall be disinfected.

- Replace electrical panel. Install a weatherproof enclosure and circuits that are UL approved and in accordance with NFPA 70.
- Reposition strobe light in accordance with UFC 03-535-01 (Chapter 10).
- Ensure catwalk meets necessary AFOSH/OSHA standards.
- Calibrate existing altitude valve.

GOVERNMENT FURNISHED EQUIPMENT:

The Government will not furnish materials.

INSTALLATION/WORK PLAN:

Provide adequate lighting for safe work area and personnel noise protection as required while engaged in work. There may be hazardous materials associated with this project. Contractor shall be responsible for the installation and work. Contractor shall install proper construction markings and tape during work in progress. Contractor shall maintain a hazard free work area during daily operations. Contractor shall provide notice to the Contracting Officer prior to starting any work under this project. Contractor shall provide As-Built drawings of final installation prior to final acceptance by the Government.

23-Mar-09

Certificate of Compliance (CC), Shop Drawings (SD), Samples (S), Color Selection (CS), Manufacturer's Recommendations (MFR), Manufacturer's Warranty (MW), Catalog Data (CD), Operation Instructions (OI), Installation Instructions (II), Other (O)

FA3022-09-R-0003
Water Tower Repair and Paint
Questions and Answers form Site Visit 19 Mar 2009
23 March 2009

1. What kind of cathodic protection is required by the Government for this project?

We will be using standard, impressed current cathodic protection system.

2. Who will be in charge of trimming the trees surrounding the water tower and will the trimming be completed before the commencement of the project? If grounds will be doing the trimming, will they be available to come back if additional trimming is needed?

The government will be responsible for trimming the trees prior to any work being done. The grounds crew should not be needed after the initial trimming.

3. Who will be in charge of removing and reinstalling the equipment attached to the tower (i.e. antennas, PA equipment, lights)?

The contractor will be responsible for removing all equipment, installing it on the shroud during repair work, and reinstalling the equipment on the finished tank.

4. Is there a requirement to change the current ladder climb safety system with a cable system or to change the entire ladder?

Yes. The SoW has been updated to address the ladder.

5. What are the specifications on the coating you want applied to the tower? This is needed so that contractors can bid on comparable terms.

The SoW has been updated to give more specifics as to the type of exterior/interior coatings to be used.

6. Will there be any testing for steel thickness prior to beginning of project?

No.

7. Is there expectancy of steel replacement on the project?

It is not expected that sandblasting will punch through the structural steel in the tank.

8. Will the chosen contractor need to adjust the height of the railing on the catwalk if it is not up to OSHA standards?

The SoW has been updated to address the catwalk.

9. Will the Government require a contractor that holds SSPC-QP1\2 certifications for lead abatement on the tower?

The contractor must meet all EPA requirements for doing this type of lead abatement work. The contractor must also comply with the 14 CES Environmental Specifications. Please provide all applicable certifications on the provided questionnaire (AF Form 66).

10. Was is the height of the water tower including the tank?

Please refer to the drawing attached to the original solicitation for the measurements of the tower and tank. Contractor is still responsible for all size verifications.

The Federal Business Opportunities (FedBizOps) website is the only official Government point-of-entry for Government acquisitions. The Government is not responsible for incorrect information found on other websites. FedBizOps can be found at <https://www.fbo.gov>.

14 CES Environmental Specifications

1.0 Contractor Liabilities for Environmental Protection

1.1 Compliance: Contractor is responsible for compliance with all federal, state and local environmental laws and regulations. These requirements include, but are not limited to items discussed in this section.

1.2 Inspection by Environmental Agencies: This installation is subject to federal, state, and local inspections to review compliance with environmental protection laws. An inspection by the Environmental Protection Agency (EPA) or Mississippi Department of Environmental Quality (MDEQ), or any other environmental or safety enforcement agency may include questioning and inspection of Contractor personnel, sites and processes.

1.3 Enforcement Actions: If a Notice of Violation, (NOV) is issued to the government or Contractor due to the Contractor's error or omission, the Contractor shall be held liable for damages to include fines, penalties, and/or corrective actions imposed by federal, state, or local agencies.

1.4 Hazardous Waste: The Contractor retains all liabilities associated with containerizing, loading, shipping, and disposing of hazardous waste.

2.0 Submittals

2.1 Environmental Management System - The Contractor shall provide all information needed by the Federal facility to comply with the EO 13423. The Contractor will submit Environmental Management System (EMS) information, including required training documentation to the (Contracting Officer) CO upon request.

2.2 Hazardous Materials: In accordance with FAR Clause, 52.223-3, Hazardous Material Identification and Material Safety Data, the Contractor shall submit a list of hazardous materials to be used on the job and Material Safety Data Sheets for each to the CO. After work has started, the Contractor shall provide consumption reports to the CO every 30 days or at the end of their contract, whichever occurs first.

2.3 Hazardous Waste: Contractor shall submit a copy of all hazardous waste manifests to the CO no later than close of business the same day waste is transported off base. Contractor shall provide a closed copy of the hazardous waste manifests not later than 30 days after the waste is transported off base or prior to final payment, whichever occurs first. Since the Columbus AFB EPA Identification Number will be used on all hazardous waste manifests, a qualified Hazardous Waste Manager must sign the manifests.

2.4 Solid Waste and Recycling: The Contractor shall submit a Waste Management and Demolition Work Plan for facility, roadway, and runway demolition projects to the CO. In addition, the Contractor shall record construction and demolition debris quantities and waste streams, and shall report these quarterly to the CO, who will provide this documentation to construction management. Construction management will in turn report these quantities and waste streams to the Pollution Prevention Manager.

2.5 Lead and Asbestos: Contractors engaged in the removal of asbestos shall submit an Abatement Plan to the CO. This plan must include state notification, worker certification, disposal manifests, worker testing, and clearance sampling reports.

2.6 Storm Water: If the area disturbed by the project is greater than 1 acre but less than 5 acres, the contractor shall complete a MDEQ Small Construction Baseline Notice of Intent and Stormwater Pollution Prevention Plan, and submit copies of both documents to the CO prior to commencement of

work. If the area disturbed by the project is to exceed 5 acres, the contractor shall submit a MDEQ Storm Water Large Construction General Permit to the CO prior to commencement of work.

2.7 Drinking Water: If any construction on the drinking water distribution system is to be conducted, the contractor shall notify the CO. Prior to placing the line back into service, the line shall be superchlorinated, flushed, and appropriate sampling taken to ensure the drinking water is safe for human consumption. The contractor must submit all test results to the CO for review.

2.8 Air Quality: Contractor shall submit separate copies of the Columbus AFB Air Emissions Equipment Worksheet for each potential air emission source to be permanently installed on Columbus AFB. This includes, but is not limited to, all gas or diesel fired equipment. Contractor shall submit the copies to the CO prior to the installation of the equipment.

3.0 Additional Requirements

3.1 EMS Training: The Contractor shall ensure all project managers complete initial Air Force EMS awareness training within 90 days of employment. The Contractor shall contact CO to arrange training. Training certificates shall be maintained by the Contractor for the duration of the contract and supplied to the CO upon request.

3.2 Hazardous Materials: Contractors shall provide hazardous materials submittals to the CO in accordance with 2.1 of this document. In addition, Material Safety Data Sheets shall be available on the work site for all hazardous materials in use on the project. Upon completion of the project, the Contractor shall remove from the installation all hazardous materials not used on the project but otherwise in usable condition. The government will not accept unwanted hazardous materials such as paint, thinners, etc. (whether they are usable or not) as they belong to the Contractor.

3.3 Hazardous Waste: Any hazardous or special waste generated shall be handled in accordance with all federal, state, and local laws and regulations, including 40 CFR 239-299 *Resource Conservation and Recovery Act* (RCRA) requirements for waste management and 49 CFR *Transportation* requirements for waste transport. The Contractor shall be responsible for obtaining all necessary permits, licenses, and approvals, unless otherwise specified in writing by the CO. Contractor shall maintain records of all waste determinations, including appropriate results of analysis performed, substances and sample locations, date and time of collection, and other pertinent data as required by 40 CFR Part 280 *Technical Standards and corrective action requirements for owners and operators of underground storage tanks*, and 40 CFR Part 262 Subpart D, *Standards applicable to generators of hazardous waste*.

3.4 Solid Waste and Recycling: Contractor shall recycle all materials economically viable for recycling. The Contractor shall prevent contamination of the site or other areas when handling and disposing of wastes. The Contractor shall dispose of garbage, rubbish, and debris in accordance with all applicable federal, state, and local requirements.

3.5 Lead and Asbestos: Contractors not engaged in the removal of Asbestos or Lead
If materials not indicated in the current contract requirements are encountered at any time that may be dangerous to human health upon disturbance, such as lead-based paint and friable and non-friable asbestos, the Contractor is to take no action which would disturb or further disturb the material encountered and shall notify the Contracting Officer (CO), and assigned Quality Assurance Evaluator (QAE) or Construction Inspector (CI) immediately. Failure to make such notification shall relieve the government from all liability for cost and/or performance time impacts until such time proper notifications are received by the CO. Verbal notification shall be followed up with written notification within three workdays.

3.5.1 Asbestos Abatement: Contractors engaged in the removal of asbestos shall submit an Asbestos Abatement Plan to the Toxics Manager to include state notification, worker certification, disposal manifests, worker testing, and clearance sampling reports prior to start of work, as required in section 2.5 of this document.

3.5.2 Lead Based Paint Removal: Contractors engaged in the removal of lead based paint shall comply with 29 CFR 1926.62.

3.6 Green Procurement: Contractor shall follow EPA's comprehensive procurement guidelines, and is required to comply with the "buy recycled" program established under section 6002 of the Resource Conservation and Recovery Act (RCRA). A copy of this document is available to the Contractor from the QAE or CO.

4.0 Prohibitions

4.1 Prohibited Ozone Depleting Substances: Class I Ozone Depleting Substances (ODS) as defined in Section 602(a) of the Clean Air Act shall not be used in the performance of this contract. In addition, no facility systems (HVAC or otherwise) scheduled to remain in the Air Force inventory beyond 01 January 2020 shall require Class II ODS in their operations or maintenance.

4.2 Additional Prohibited Hazardous Materials: Radioactive materials or instruments capable of producing ionizing radiation, materials that contain asbestos, mercury, or PCBs, and materials that contain potentially hazardous concentrations of lead are also all prohibited. The Consumer Product Safety Commission states that potentially hazardous concentrations of lead are greater than 600 parts per million, or 0.06%. These prohibitions shall be considered to prevail over any other provision, specification, and drawing or referenced documents. The CO, upon written request by the Contractor, may consider exceptions to the use of the above excluded materials.

4.3 Illegal Disposal of Chemicals: Disposal of any chemical or materials into the sanitary sewer system or out in the environment where it can enter the storm system or any natural waterway is prohibited. Disposal of any hazardous material on base is prohibited. In the event of an accidental spill, Contractor shall follow procedures outlined in the Spills and Cleanup section of this document.

4.4 Unlabeled Containers: Unmarked containers are prohibited on the base. All drums and/or containers of liquid materials shall be marked to indicate contents. All containers shall be closed when not in use.

5.0 Spills and Cleanup

5.1 Accidental spills may occur during contract work. Spills include releases of materials from ruptured or leaking storage receptacles such as tanks, from transmission lines and/or valves. Releases include the leak of hazardous gases into the air.

5.2 In the event of a spill of any amount or type of hazardous materials or waste, including petroleum products, the Contractor shall immediately notify the CO. The Contractor shall provide a description of material spilled (including MSDS), time and locations of spill, estimate of amount spilled, spill surface and path of spill, noting whether the spill is likely to enter a drain inlet, waterway, or come into contact with the soil.

5.3 Contractor shall take immediate action to contain and clean up spills. If the Contractor is unable to begin cleanup action within 15 minutes of the spill, the government reserves the right to begin cleanup,

continue cleanup efforts/actions until the Contractor can properly take over, and/or enlist the services of another Contractor to continue cleanup as determined by the CO.

5.4 All costs incurred by the government until Contractor is capable of taking control, as determined by the CO, shall be the sole responsibility of the Contractor. Contractor shall ensure equipment, material and trained personnel are available to meet response time and cleanup requirements.

5.5 Spill cleanup personnel shall obtain proper training and certifications to perform spill cleanup. Contractor shall assume responsibility for the proper characterization and disposal of any waste and cleanup materials generated. All waste and associated cleanup material shall be removed from the base and transported/stored in compliance with applicable regulations until final disposal.

5.6 The Contractor is responsible for restoring a spill site to the condition of the site prior to the spill. The government reserves the right to control spill cleanup activities. The CO remains as the only Air Force representative that may amend contract requirements.

6.0 Miscellaneous

6.1 Natural Resources: Preserve natural resources within project boundaries and outside limits of permanent work. The Contractor shall not remove, cut, or deface trees or shrubs without CO permission unless the work is identified in contract specifications. The Contractor shall protect existing trees that could be damaged by Contractor activities. The Contractor shall not place heavy objects, including vehicles or spoils/fill on tree roots. The Contractor shall not fasten ropes, cables, or guy wires to trees without CO approval.

6.1.1 The Contractor shall not disturb fish and wildlife. The Contractor shall not alter water flows or significantly disturb native habitat adjacent to the project site.

6.1.2 Archaeological Resources

In the event of the discovery of any archaeological resources in the soil, Contractor shall halt work in order to leave the resources undisturbed, and immediately notify the CO.

6.2 Radioactive Material (RAM)

Non-Air Force organizations that desire to bring RAM, such as soil density meters, onto Columbus AFB, or conduct operations involving RAM on base, shall obtain written approval through the CO and the base Radiation Safety Officer (14 MDOS/SGOAB). In addition, the Contractor shall provide the CO a copy of their radioactive material permit and training certificates if radioactive material will be brought onto base. The permit and training certificates will be coordinated through 14 MDOS/SGOAB.